



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU  
GRAMIN KRISHI MAUSAM SEWA(GKMS)  
AMFU OF IMD, BENGALURU



**AGROMET-ADVISORY BULLETIN**

Date: **23.10.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Bengaluru urban district.**

**Significant past weather for the preceding week**

Parameter	16.10.2023	17.10.2023	18.10.2023	19.10.2023	20.10.2023
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	31.0	29.8	30.4	30.0	29.8
Min.Temp(°C)	21.2	20.2	18.8	18.2	18.0
Sky condition(Octas)	2	2	2	2	2
Relative humidity(%) 0830 hours	81	90	96	89	79
Relative humidity(%) 1730 hours	59	51	50	45	-
Wind Speed (kmph)	2.7	4.8	3.7	4.2	4.1
Wind Direction	140	140	140	140	140

**Weather forecast (Valid from 24-10-2023 to 28-10-2023)**

Forecast summary:

Parameters	24.10.2023	25.10.2023	26.10.2023	27.10.2023	28.10.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend ( °C)	30	31	31	31	30
Min Temp Trend ( °C)	18	18	19	19	18
Total cloud cover (octa)	5	3	0	3	3
Relative humidity (%)Max	56	59	80	88	90
Relative humidity (%)Min	38	33	32	42	50
Wind (Km/hr)	8	5	8	8	10
Wind Direction (Degrees)	68	60	112	90	103

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 30.0-31.0°C and Minimum of 18.0.-19.0°C. Relative humidity 56-90 % during morning hrs and 32-50 % during noon is expected. Wind speed is 5-10 km/hr.

**Weather Based Agro Advisories**

**Crop information and Crop Stages of the major Kharif/Rabi crops**

District	Kharif crops				Horticulture crops	
Bangalore Urban (BU)	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	PF,M	F,PF	EV,V,E	H	-	-

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Tranplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tillering,, Ts: Taselling, E: Ear head emergence, GF: Grain filling, H: Harvesting IBI: Inflorescence Bud initiation , PP(V): Pod Picking Vegetable , F& FS: Flowering to fruit setting, FD: Fruit Development, H: Harvesting, M: Maturation, B: Branching

**Agromet Advisory:**

Crop/Component	Stage/Condition	Pest and Disease	Agro advisories
General			<ul style="list-style-type: none"> <li>Intercultural operation recommended for conserving soil moisture and removal of weeds.</li> <li>Suggested for intercultivation for late sown Ragi crop</li> <li>Mulching is recommended to conserve the soil moisture in standing crops.</li> </ul>

<b>Kharif crops</b>	Flowering stage and Maturity stage	<p>The following crops are suggested for sowing.</p> <p>Finger millet Ragi (Indaf-5, 7,9, ML-365, KMR-301), Horse gram-PHG-9, KBH-1 , Niger, Field bean-HA-3 and 4 and sunflower-KBSH-1,41,42, 44 &amp; 53, cowpea (KBC-1, TVX-944 and PKB-4 for vegetable purpose).</p> <ul style="list-style-type: none"> <li>• Wherever over population of crop plants is existing, undertake thinning operation for better availability of scarce soil moisture to the reduce population of crop plants.</li> <li>• Wilt disease noticed: Redgram field-Drench with Carbendazim 50 WP 2 g/litre of water.</li> <li>• For Biological control of pod borer insect in Redgram 200 LE/acre HANPV 400 litre with teepol (1 ml/lit.). Pheromone traps for <i>Helicoverpa armigera</i> 12/ha</li> <li>• Remove and burn the infected Wilt diseased Redgram plant in field.</li> </ul>
<b>Mango</b>		<ul style="list-style-type: none"> <li>• Paclobutrazol soil application @ 5 g a.i per plant is recommended for uniform flowering behavior in Mango crop. Paclobutrazol is effective not only in flower induction but also in early and off season flower induction which thereby maintains regularity and synchronization in flowering.</li> </ul>
<b>Animal Husbandry</b>		
<b>Dairy</b>		<p><b>Feeding of lactating cow</b></p> <ul style="list-style-type: none"> <li>• Proper feeding of dairy cattle should envisage minimum wastage of nutrients and maximum returns in respect of milk produced.</li> <li>• A concentrate mixture made up of protein supplements such as oil cakes, energy sources such as cereal grains (Maize, Jowar), tapioca chips and laxative feeds such as brans (rice bran, wheat bran, gram husk) is generally used.</li> <li>• Mineral mixture containing major and all the trace elements should be included at a level of 2 percent.</li> <li>• Dietary fiber for milking cow should be 17 % and NDF (Neutral Detergent Fiber ) 22 %</li> </ul>

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Bengaluru**

**Important Note:** Farmers are informed to use the APPs & Videos related to Weather information: MEGHDOOT, MAUSAM AND DAMINI APPS. This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)